

## Refine Search

### Search Results -

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L2 and semiconductor	22

**Database:**

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US Patents Full-Text Database  
US OCR Full-Text Database  
EPO Abstracts Database  
JPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins

**Search:**

L3

**Refine Search****Recall Text****Clear****Interrupt**

### Search History

**DATE:** Thursday, January 25, 2007   [Purge Queries](#)   [Printable Copy](#)   [Create Case](#)

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=AND</i>			
<a href="#">L3</a>	L2 and semiconductor	22	<a href="#">L3</a>
<a href="#">L2</a>	L1 and porphyrin	128	<a href="#">L2</a>
<a href="#">L1</a>	silicon and halogenation	3283	<a href="#">L1</a>

END OF SEARCH HISTORY

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☐ 1. Document ID: US 20060154107 A1

L3: Entry 1 of 22

File: PGPB

Jul 13, 2006

PGPUB-DOCUMENT-NUMBER: 20060154107

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060154107 A1

TITLE: Asymmetric pyrene derivative and organic electroluminescence device employing the same

PUBLICATION-DATE: July 13, 2006

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Kubota; Mineyuki	Chiba		JP
Funahashi; Masakazu	Chiba		JP
Hosokawa; Chishio	Chiba		JP

US-CL-CURRENT: [428/690](#); [257/40](#), [257/E51.049](#), [313/504](#), [313/506](#), [428/917](#), [585/26](#)

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">RMC</a>	<a href="#">Draw Desc</a>
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☐ 2. Document ID: US 20060088786 A1

L3: Entry 2 of 22

File: PGPB

Apr 27, 2006

PGPUB-DOCUMENT-NUMBER: 20060088786

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060088786 A1

TITLE: Rewritable optical information recording medium, recording and reproducing methods, as well as recording and reproducing apparatus

PUBLICATION-DATE: April 27, 2006

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Tamada; Sakuya	Tokyo		JP
Iwamura; Takashi	Kanagawa		JP
Sabi; Yuichi	Tokyo		JP
Oyamada; Mitsuaki	Kanagawa		JP
Yamamoto; Masanobu	Kanagawa		JP
Koike; Tadashi	Chiba		JP
Misawa; Tatsumi	Chiba		JP
Ogiso; Akira	Chiba		JP

Nara; Ryousuke	Chiba	JP
Tokuhiro; Jun	Chiba	JP
Tsukahara; Hisashi	Chiba	JP

IS-CL-CURRENT: 430/270.16; 540/123

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc
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☐ 3. Document ID: US 20050260443 A1

L3: Entry 3 of 22

File: PGPB

Nov 24, 2005

PGPUB-DOCUMENT-NUMBER: 20050260443

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050260443 A1

TITLE: Organic light - emitting diodes and methods for assembly and enhanced charge injection

PUBLICATION-DATE: November 24, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Marks, Tobin J.	Evanston	IL	US
Huang, Qinglan	Skokie	IL	US
Cui, Ji	Acton	MA	US
Veinot, Jonathan	Palatine	IL	US

IS-CL-CURRENT: 428/690; 257/E51.028, 257/E51.029, 257/E51.032, 257/E51.036,  
257/E51.041, 257/E51.042, 257/E51.043, 257/E51.051, 313/504, 313/506, 427/66, 428/917

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc
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☐ 4. Document ID: US 20050238889 A1

L3: Entry 4 of 22

File: PGPB

Oct 27, 2005

PGPUB-DOCUMENT-NUMBER: 20050238889

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050238889 A1

TITLE: Layered components, materials, methods of production and uses thereof

PUBLICATION-DATE: October 27, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Iwamoto, Nancy	Ramona	CA	US
Kennedy, Joseph	San Jose	CA	US
Lee, Eal	Milpitas	CA	US

IS-CL-CURRENT: 428/446; 257/E21.273, 257/E21.581, 257/E21.584, 427/248.1, 428/304.4,  
428/447, 428/65.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMK	Draw Desc
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☐ 5. Document ID: US 20050234256 A1

L3: Entry 5 of 22

File: PGPB

Oct 20, 2005

PGPUB-DOCUMENT-NUMBER: 20050234256

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050234256 A1

TITLE: Organic light-emitting diodes and related hole transport compounds

PUBLICATION-DATE: October 20, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Marks, Tobin J.	Evanston	IL	US
Huang, Qinglan	Libertyville	IL	US

US-CL-CURRENT: 556/413; 257/E51.028, 257/E51.029, 257/E51.032, 257/E51.036, 257/E51.041, 257/E51.042, 257/E51.043, 257/E51.051

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMK	Draw Desc
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☐ 6. Document ID: US 20050158579 A1

L3: Entry 6 of 22

File: PGPB

Jul 21, 2005

PGPUB-DOCUMENT-NUMBER: 20050158579

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050158579 A1

TITLE: Organic light-emitting diodes and methods for assembly and enhanced charge injection

PUBLICATION-DATE: July 21, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Marks, Tobin J	Evanston	IL	US
Huang, Qinglan	Libertyville	IL	US
Cui, Ji	Acton	MA	US
Veinot, Jonathan	St. Albert	IL	CA
Yan, He	Skokie		US

US-CL-CURRENT: 428/690; 257/E51.028, 257/E51.029, 257/E51.032, 257/E51.036, 257/E51.041, 257/E51.042, 257/E51.043, 257/E51.051, 313/504, 313/506, 427/66, 428/917

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMK	Draw Desc
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☐ 7. Document ID: US 20050131168 A1

L3: Entry 7 of 22

File: PGPB

Jun 16, 2005

PGPUB-DOCUMENT-NUMBER: 20050131168  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20050131168 A1

TITLE: Curable composition and compatibilizing agent

PUBLICATION-DATE: June 16, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Fujita, Nao	Settsu-shi		JP
Shimizu, Yasuo	Settsu-shi		JP
Hasegawa, Nobuhiro	Settsu-shi		JP
Nakagawa, Yoshiki	Settsu-shi		JP

IS-CL-CURRENT: 525/539

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	BOOC	Draw Desc
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☐ 8. Document ID: US 20040180094 A1

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File: PGPB

Sep 16, 2004

PGPUB-DOCUMENT-NUMBER: 20040180094  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20040180094 A1

TITLE: Activation agents on the surface of encapsulation vesicles

PUBLICATION-DATE: September 16, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Joyce, Timothy H.	Sunnyvale	CA	US

IS-CL-CURRENT: 424/490; 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	BOOC	Draw Desc
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☐ 9. Document ID: US 20040092195 A1

L3: Entry 9 of 22

File: PGPB

May 13, 2004

PGPUB-DOCUMENT-NUMBER: 20040092195  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20040092195 A1

TITLE: Organic light-emitting diodes and methods for assembly and emission control

PUBLICATION-DATE: May 13, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Marks, Tobin J.	Evanston	IL	US
Wang, Qingwu	Chicago	IL	US

IS-CL-CURRENT: [445/24](#); [257/E51.028](#), [257/E51.029](#), [257/E51.042](#), [257/E51.043](#), [313/503](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	IMC	Draw Desc
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☐ 10. Document ID: US 20030229131 A1

L3: Entry 10 of 22

File: PGPB

Dec 11, 2003

PGPUB-DOCUMENT-NUMBER: 20030229131

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030229131 A1

TITLE: Cyclo[n]pyrroles and methods thereto

PUBLICATION-DATE: December 11, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Sessler, Jonathan L.	Austin	TX	US
Seidel, Daniel	Cambridge	MA	US
Bolze, Frederic R.	Strasbourg	TX	FR
Koehler, Thomas	Austin		US

IS-CL-CURRENT: [514/410](#); [252/582](#), [359/885](#), [424/9.6](#), [430/270.15](#), [540/472](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	IMC	Draw Desc
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☐ 11. Document ID: US 20030176576 A1

L3: Entry 11 of 22

File: PGPB

Sep 18, 2003

PGPUB-DOCUMENT-NUMBER: 20030176576

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030176576 A1

TITLE: Curable compositions and compatibilizing agent

PUBLICATION-DATE: September 18, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Fujita, Nao	Osaka		JP
Shimizu, Yasuo	Osaka		JP
Hasegawa, Nobuhiro	Osaka		JP
Nakagawa, Yoshiki	Osaka		JP

US-CL-CURRENT: [525/107](#); [525/222](#), [526/318.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc
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☐ 12. Document ID: US 20030162053 A1

L3: Entry 12 of 22

File: PGPB

Aug 28, 2003

PGPUB-DOCUMENT-NUMBER: 20030162053

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030162053 A1

TITLE: Organic light - emitting diodes and methods for assembly and enhanced charge injection

PUBLICATION-DATE: August 28, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Marks, Tobin J.	Evanston	IL	US
Huang, Qinglan	Skokie	IL	US
Cui, Ji	Acton	MA	US
Veinot, Jonathan	Palatine	IL	US

US-CL-CURRENT: [428/690](#); [257/40](#), [257/E51.028](#), [257/E51.029](#), [257/E51.032](#), [257/E51.036](#), [257/E51.041](#), [257/E51.042](#), [257/E51.043](#), [257/E51.051](#), [313/504](#), [313/506](#), [427/66](#), [428/447](#), [428/448](#), [428/450](#), [428/917](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIGS	Draw Desc
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☐ 13. Document ID: US 20030081463 A1

L3: Entry 13 of 22

File: PGPB

May 1, 2003

PGPUB-DOCUMENT-NUMBER: 20030081463

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030081463 A1

TITLE: Formation of self-assembled monolayers of redox sams on silicon for molecular memory applications

PUBLICATION-DATE: May 1, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Bocian, David F.	Riverside	CA	US
Kuhr, Werner G.	Oak Hills	CA	US
Lindsey, Jonathan S.	Raleigh	NC	US
Dabke, Rajeeve B.	Riverside	CA	US
Liu, Zhiming			US

US-CL-CURRENT: 365/200; 257/E51.023, 257/E51.041, 257/E51.052

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIGS	Draw Desc
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☐ 14. Document ID: US 20020179898 A1

L3: Entry 14 of 22

File: PGPB

Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020179898

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020179898 A1

TITLE: ORGANIC LIGHT-EMITTING DIODES AND METHODS FOR ASSEMBLY AND EMISSION CONTROL

PUBLICATION-DATE: December 5, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
MARKS, TOBIN J.	EVANSTON	IL	US
WANG, QINGWU	CHICAGO	IL	US

US-CL-CURRENT: 257/40; 257/E51.028, 257/E51.029, 257/E51.032, 257/E51.036, 257/E51.041, 257/E51.042, 257/E51.043, 257/E51.051

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIGS	Draw Desc
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☐ 15. Document ID: US 7094121 B2

L3: Entry 15 of 22

File: USPT

Aug 22, 2006



JS-PAT-NO: 7094121

DOCUMENT-IDENTIFIER: US 7094121 B2

TITLE: Organic light-emitting diodes and methods for assembly and emission control

PRIOR-PUBLICATION:

DOC-ID

DATE

JS 20040092195 A1

May 13, 2004

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Draw Desc
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☐ 16. Document ID: US 6984734 B2

L3: Entry 16 of 22

File: USPT

Jan 10, 2006

JS-PAT-NO: 6984734

DOCUMENT-IDENTIFIER: US 6984734 B2

TITLE: Cyclo[n]pyrroles and methods thereto

PRIOR-PUBLICATION:

DOC-ID

DATE

JS 20030229131 A1

December 11, 2003

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Draw Desc
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☐ 17. Document ID: US 6951682 B1

L3: Entry 17 of 22

File: USPT

Oct 4, 2005

JS-PAT-NO: 6951682

DOCUMENT-IDENTIFIER: US 6951682 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Porous coatings bearing ligand arrays and use thereof

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Draw Desc
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☐ 18. Document ID: US 6939625 B2

L3: Entry 18 of 22

File: USPT

Sep 6, 2005

JS-PAT-NO: 6939625

DOCUMENT-IDENTIFIER: US 6939625 B2

TITLE: Organic light-emitting diodes and methods for assembly and enhanced charge injection

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Draw Desc
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☐ 19. Document ID: US 6831130 B2

L3: Entry 19 of 22

File: USPT

Dec 14, 2004

IS-PAT-NO: 6831130

DOCUMENT-IDENTIFIER: US 6831130 B2

TITLE: Composition of crosslinkable polyether, crosslinkable vinyl polymer and compatibilizer

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Draw Desc
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☐ 20. Document ID: US 6586763 B2

L3: Entry 20 of 22

File: USPT

Jul 1, 2003

IS-PAT-NO: 6586763

DOCUMENT-IDENTIFIER: US 6586763 B2

TITLE: Organic light-emitting diodes and methods for assembly and emission control

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Draw Desc
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☐ 21. Document ID: US 6399221 B1

L3: Entry 21 of 22

File: USPT

Jun 4, 2002

IS-PAT-NO: 6399221

DOCUMENT-IDENTIFIER: US 6399221 B1

TITLE: Organic light-emitting diodes and methods for assembly and emission control

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FIGS	Draw Desc
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☐ 22. Document ID: US 5834100 A

L3: Entry 22 of 22

File: USPT

Nov 10, 1998

IS-PAT-NO: 5834100

DOCUMENT-IDENTIFIER: US 5834100 A

TITLE: Organic light-emitting diodes and methods for assembly and emission control

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FIGS	Draw Desc
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